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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/687,562
	<b>Filing Date</b>	October 16, 2003
	<b>First Named Inventor</b>	Anshuman Cherala
	<b>Group Art Unit</b>	Unassigned
	<b>Examiner Name</b>	Unassigned
<b>Total Number of Pages in This Submission</b>	<b>Attorney Docket Number</b>	PA61/UTS-35-01-03

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)  <b>Remarks</b>	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Form PTO-1449 with twelve (12) references 2. Return Receipt Postcard to Kenneth C. Brooks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
<b>Firm or Individual name</b>	Kenneth C. Brooks
<b>Signature</b>	
<b>Date</b>	1/23/04

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
<b>Type or printed name</b>	Alexis Sheffield		
<b>Signature</b>		<b>Date</b>	January 23, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cherala et al.

PATENT APPLICATION

Serial No.: 10/687,562

Group Art Unit: Unassigned

Filing Date: October 16, 2003

Examiner: Unassigned

For: APPLYING IMPRINTING MATERIAL TO SUBSTRATES EMPLOYING  
ELECTROMAGNETIC FIELDS

INFORMATION DISCLOSURE STATEMENT

Commissioner  
for Patents  
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure under 37 C.F.R. § 1.56. Form PTO-1449 and a copy of each reference recited below accompanies this document. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

ISSUED PATENTS

<u>Patent Number</u>	<u>Inventor</u>	<u>Grant Date</u>
5,425,848	Haisman et al.	06/20/1995
5,772,905	Chou	06/30/1998
5,948,219	Rohner	09/07/1999
6,334,960	Willson et al.	01/01/2002
6,355,198	Kim et al.	03/12/2002
6,518,168	Clem et al.	02/11/2003



OTHER PATENT DOCUMENTS

09/905,718	Willson et al.	May 16, 2002
10/194,410	Sreenivasan et al.	Jul. 11, 2002

NON-PATENT DOCUMENTS

Chou et al. "Imprint of Sub-25 nm Vias and Trenches in Polymers," *Applied Physics Letters*, 67(21), pp. 3114-3116, 1995.

Chou et al. "Imprint Lithography with 25-Nanometer Resolution," *Science*, Apr. 5, 1996, pp. 85-87, vol. 272.

Mansky, P. et al. "Large-Area Domain Alignment in Block Copolymer Thin Films Using Electric Fields," *Macromolecules*, vol. 31, pp. 4399-4401, 1998.

Chou, Stephen et al. "Lithographically-induced Self Assembly of Periodic Micropillar Arrays," *Journal of Vacuum Science and Technology*, vol. 17, pp. 3197-3202, 1999.

CERTIFICATE OF MAILING

Respectfully Submitted,  
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in a package addressed to: MAIL STOP PATENT APPLICATION, Commissioner for Patents, Alexandria, VA 22313-1450

Signed: Alexis Sheffield  
Typed Name: Alexis Sheffield  
Date: January 23, 2004

Respectfully,

Kenneth C. Brooks  
Reg. No. 38,393

P.O. Box 81536  
Austin, Texas 78708-1536  
Telephone: 512-527-0104  
Facsimile: 512-527-0107  
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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

**Complete if Known**

Application Number	10/687,562
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<b>Filing Date</b>	10/16/2003
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<b>First Named Inventor</b>	Cherala, et al.
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Group Art Unit	Unassigned
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Examiner Name	Unassigned
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Attorney Docket Number	PA61/UTS-35-01-03
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## U.S. PATENT DOCUMENTS

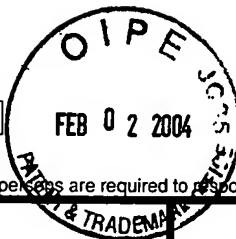
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/687,562
Filing Date	10/16/2003
First Named Inventor	Cherala, et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	PA61/UTS-35-01-03

Sheet 2 of 2

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A7	CHOU et al., "Imprint of Sub-25 nm Vias and Trenches in Polymers," Applied Physics Letters, November 20, 1995, pp. 3114-3116, vol. 67(21).	
	A8	CHOU et al., "Imprint Lithography with 25-Nanometer Resolution," Science, Apr. 5, 1996, pp. 85-87, vol. 272.	
	A9	MANSKY et al., "Large-Area Domain Alignment in Block Copolymer Thin Films Using Electric Fields," Macromolecules, 1998, pp. 4399-4401, vol. 31.	
	A10	CHOU et al., "Lithographically-Induced Self Assembly of Periodic Polymer Micropillar Arrays," Journal of Vacuum Science and Technology, Nov/Dec 1999, pp. 3197-3202, vol. B 17(6).	
	A11	WILLSON et al., "Method and System for Fabricating Nanoscale Patterns in Light Curable Compositions Using an Electric Field," U.S. Patent Application 09/905,718, Filed with USPTO on May 16, 2002	
	A12	SREENIVASAN et al., "Method and System for Imprint Lithography Using an Electric Field," U.S. Patent Application 10/194,410, Filed with USPTO July 11, 2002.	

Examiner Signature		Date Considered	
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